

Date: August 26, 2005

To: Examiner

1. International application number: PCT/JP03/13115

2. Applicant

Name: Nippon Light Metal Company, Ltd.

Address: 2-20, Higashi-shinagawa 2-chome, Shinagawa-ku,

Tokyo 140-8628 Japan

State of Nationality: Japan

State of Residence: Japan

3. Agent

Name :(8273) Patent Attorney, NARUSE Katsuo

Address: 5 th Floor, Central Shinbashi Bldg., 11-5,

Nishi-shinbashi 2-chome, Minato-ku, Tokyo 105-0003 Japan

4. Item to be Amended: Claimes

5. Contents of Amendment as per appended papers

(1) In claim 6, "a hot water treatment" on line 1 is amended to "a hot water treatment or a steam treatment."

(2) In claim 12, "a hot water treatment" on line 1 is amended to "a hot water treatment or a steam treatment."

6. List of Appended Papers

(1) Claims on pages 20 and 21

What is claimed is:

1. A corrosion-resistant aluminum conductive material comprising an aluminum material consisting of aluminum or an aluminum alloy and a conductive film formed on the surface of said aluminum material wherein defects in the conductive film are substantially sealed off by a hot water treatment or a steam treatment.
2. A corrosion-resistant aluminum conductive material as described in claim 1 wherein the conductive film is formed by any one of plating, flame spraying, electrophoresis and coating.
3. A corrosion-resistant aluminum conductive material as described in claim 1 or 2 wherein the conductive film has a thickness of 5 μ m or less.
4. A corrosion-resistant aluminum conductive material as described in any one of claims 1-3 wherein the hot water treatment or the steam treatment is performed by using water of 70°C or above.
5. A corrosion-resistant aluminum conductive material as described in any one of claims 1-4 wherein the hot water treatment or the steam treatment is performed by using water showing a pH in the range of 3-12 at 25°C.
6. (as amended) A corrosion-resistant aluminum conductive material as described in any one of claims 1-5 wherein the hot water treatment or the steam treatment is performed by using water showing a phosphate ion concentration of 25 ppm or less as phosphorus and a silicate ion concentration of 25 ppm or less as silicon.
7. A process for producing a corrosion-resistant aluminum conductive material comprising an aluminum material consisting of aluminum or an

aluminum alloy and a conductive film formed on the surface of said aluminum material which comprises forming a conductive film on the surface of an aluminum material and then subjecting to a hot water treatment or a steam treatment thereby substantially sealing off defects in the conductive film.

8. A process for producing a corrosion-resistant aluminum conductive material as described in claim 7 wherein the conductive film is formed by any one of plating, flame spraying, electrophoresis and coating.

9. A process for producing a corrosion-resistant aluminum conductive material as described in claim 7 or 8 wherein the conductive film has a thickness of 5 μ m or less.

10. A process for producing a corrosion-resistant aluminum conductive material as described in any one of claims 7-9 wherein the hot water treatment or the steam treatment is performed by using water of 70 °C or above.

11. A process for producing a corrosion-resistant aluminum conductive material as described in any one of claims 7-10 wherein the hot water treatment or the steam treatment is performed by using water showing a pH in the range of 3-12 at 25°C.

12. (as amended) A process for producing a corrosion-resistant aluminum conductive material as described in any one of claims 7-11 wherein the hot water treatment or the steam treatment is performed by using water showing a phosphate ion concentration of 25 ppm or less as phosphorus and a silicate ion concentration of 25 ppm or less as silicon.